McPC/Giga-MediaLinX

(PCI and Low Profile PCI Version)

10/100/1000 Mbps

Operation Manual

FCC Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B computing device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

The use of non-shielded I/O cables may not guarantee compliance with FCC RFI limits. This digital apparatus does not exceed the Class B limits for radio noise emission from digital apparatus set out in the Radio Interference Regulation of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de classe B prescrites dans le Règlement sur le brouillage radioélectrique publié par le ministère des Communications du Canada.

Warranty

IMC Networks warrants to the original end-user purchaser that this product, EXCLUSIVE OF SOFTWARE, shall be free from defects in materials and workmanship under normal and proper use in accordance with IMC Networks' instructions and directions for a period of six (6) years after the original date of purchase. This warranty is subject to the limitations set forth below.

At its option, IMC Networks will repair or replace at no charge the product which proves to be defective within such warranty period. This limited warranty shall not apply if the IMC Networks product has been damaged by unreasonable use, accident, negligence, service or modification by anyone other than an authorized IMC Networks Service Technician or by any other causes unrelated to defective materials or workmanship. Any replaced or repaired products or parts carry a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

To receive in-warranty service, the defective product must be received at IMC Networks no later than the end of the warranty period. The product must be accompanied by proof of purchase, satisfactory to IMC Networks, denoting product serial number and purchase date, a written description of the defect and a Return Merchandise Authorization (RMA) number issued by IMC Networks. No products will be accepted by IMC Networks which do not have an RMA number. For an RMA number, contact IMC Networks at PHONE: (800) 624-1070 (in the U.S and Canada) or (949) 465-3000 or FAX: (949) 465-3020. The end-user shall return the defective product to IMC Networks, freight, customs and handling charges prepaid. End-user agrees to accept all liability for loss of or damages to the returned product during shipment. IMC Networks shall repair or replace the returned product, at its option, and return the repaired or new product to the end-user, freight prepaid, via method to be determined by IMC Networks. IMC Networks shall not be liable for any costs of procurement of substitute goods, loss of profits, or any incidental, consequential, and/or special damages of any kind resulting from a breach of any applicable express or implied warranty, breach of any obligation arising from breach of warranty, or otherwise with respect to the manufacture and sale of any IMC Networks product, whether or not IMC Networks has been advised of the possibility of such loss or damage.

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Every reasonable effort has been made to ensure that IMC Networks product manuals and promotional materials accurately describe IMC Networks product specifications and capabilities at the time of publication. However, because of ongoing improvements and updating of IMC Networks products, IMC Networks cannot guarantee the accuracy of printed materials after the date of publication and disclaims liability for changes, errors or omissions.

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About the McPC/PCI-Giga-MediaLinX

The McPC/PCI-Giga-MediaLinX is an IEEE 802.3 single-conversion, 10/100/1000 Mbps switching PC card media converter. It converts 10/100/1000 twisted pair connections to 1000Base-FX/SX fiber. The fiber port always operates at 1000 Mbps FDX; the copper port auto-senses the connected device's speed and duplex mode: 10 Mbps, 100 Mbps or 1000 Mbps, and HDX or FDX (including Flow Control).

The McPC/PCI-Giga-MediaLinX can be mounted in any PC with a standard PCI slot; the McPC/PC1 low profile Giga-MediaLinX can be mounted in a low profile PCI slot. It includes a 4-pin peripheral power supply connector and one RJ-45 connector.

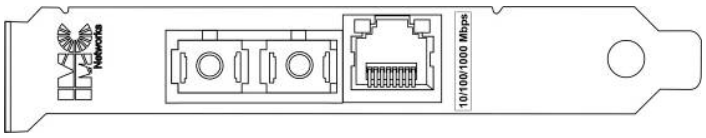
Installing the McPC/PCI-Giga-MediaLinX (Standard and Low Profile Brackets)

Offering plug-and-play operation, the McPC/PCI-Giga-MediaLinX comes ready to install, utilizing power from the PC's power supply. To install the McPC/PCI-Giga-MediaLinX:

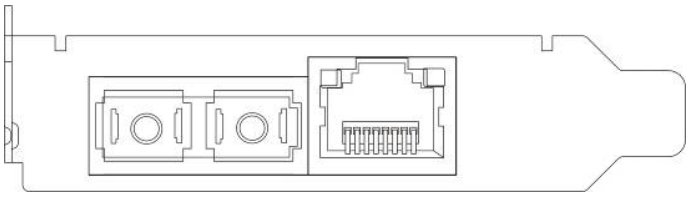
1. Turn off the PC
2. Remove its cover
3. Find an empty PCI slot
4. Align the McPC/PCI-Giga-MediaLinX into the slot
5. Screw the McPC/PCI-Giga-MediaLinX into the computer case's bracket
6. Make sure the McPC/PCI-Giga-MediaLinX does not extend past the edge of the case
7. Attach the keyed mini-power connector to the McPC/PCI-Giga-MediaLinX
8. Attach the male end of the "Y" connector to one of the computer's standard size power connectors
9. Replace the cover
10. Attach the cables between the McPC/PCI-Giga-MediaLinX and the devices that will be connected

AutoCross

Whether using a crossover or straight-through CAT5 twisted pair cabling, McPC/PCI-Giga-MediaLinX will support both types of connections with *AutoCross*, a feature that automatically selects between a crossover workstation or Pass-Through connection depending on the connected device.



PCI Bracket



Low Profile Bracket

LED Indicators

Each McPC/PCI-Giga-MediaLinX includes two LEDs, located on the RJ-45 connector.

LED functions are as follows:

FX LNK/ACT Glows green when a link is established on the fiber port; blinks green when activity is detected on the fiber port.

TX LNK/ACT Glows amber when a link is established on the copper port; blinks amber when activity is detected on the copper port.

NOTE
The TX unit (P/N 855-12920-TX) will always have a green link light on the FX port whether it is physically connected to another unit or not.

Specifications

Environmental

Operating Temperature

32° - 104° F (0° - 40° C)

Storage Temperature

0° - 160° F (-20° - 70° C)

Humidity:

5 - 95% (non-condensing)

Power Consumption (Typical)

Current Draw

0.7A @ 5VDC

Input Specifications

Power Input: 5V

IMC Networks Technical Support

Tel: (949) 465-3000 or (800) 624-1070 (in the U.S. and Canada);
+32-16-550880 (Europe)

Fax: (949) 465-3020

E-Mail: techsupport@imcnetworks.com

Web: www.imcnetworks.com

Electrostatic Discharge Precautions

Electrostatic discharge (ESD) can cause damage to any product, add-in modules or stand alone units, containing electronic components. Always observe the following precautions when installing or handling these kinds of products

1. Do not remove unit from its protective packaging until ready to install.
2. Wear an ESD wrist grounding strap before handling any module or component. If the wrist strap is not available, maintain grounded contact with the system unit throughout any procedure requiring ESD protection.
3. Hold the units by the edges; do not touch the electronic components or gold connectors.
4. After removal, always place the boards on a grounded, static-free surface, ESD pad or in a proper ESD bag. Do not slide the modules or stand alone units over any surface.

WARNING! Integrated circuits and fiber optic components are extremely susceptible to electrostatic discharge damage. Do not handle these components directly unless you are a qualified service technician and use tools and techniques that conform to accepted industry practices.

Fiber Optic Cleaning Guidelines

Fiber Optic transmitters and receivers are extremely susceptible to contamination by particles of dirt or dust, which can obstruct the optic path and cause performance degradation. Good system performance requires clean optics and connector ferrules.

1. Use fiber patch cords (or connectors, if you terminate your own fiber) only from a reputable supplier; low-quality components can cause many hard-to-diagnose problems in an installation.
2. Dust caps are installed at IMC Networks to ensure factory-clean optical devices. These protective caps should not be removed until the moment of connecting the fiber cable to the device. Should it be necessary to disconnect the fiber device, reinstall the protective dust caps.
3. Store spare caps in a dust-free environment such as a sealed plastic bag or box so that when reinstalled they do not introduce any contamination to the optics.
4. If you suspect that the optics have been contaminated, alternate between blasting with clean, dry, compressed air and flushing with methanol to remove particles of dirt.

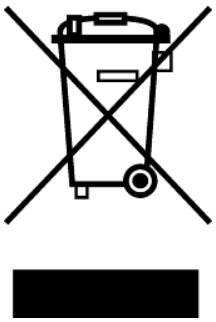
Safety Certifications

CE: The products described herein comply with the Council Directive on Electromagnetic Compatibility (2004/108/EC). For further details, contact IMC Networks.

CE

Class 1 Laser product, Luokan 1 Laserlaite,
Laser Klasse 1, Appareil A'Laser de Classe 1

European Directive 2002/96/EC (WEEE) requires that any equipment that bears this symbol on product or packaging must not be disposed of with unsorted municipal waste. This symbol indicates that the equipment should be disposed of separately from regular household waste. It is the consumer's responsibility to dispose of this and all equipment so marked through designated collection facilities appointed by government or local authorities. Following these steps through proper disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about proper disposal, please contact local authorities, waste disposal services, or the point of purchase for this equipment.



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